

US EPA RECORDS CENTER REGION 5



466783

Monthly Field Oversight Summary Report 2
ACS NPL Site
Griffith, Indiana
February 1, through March 2, 2001



BLACK & VEATCH
SPECIAL PROJECTS CORP.

101 North Wacker Drive, Suite 1100, Chicago, Illinois 60606, (312) 346-3775

U.S.EPA
American Chemical Service Inc.

BVSPC Project 46518
BVSPC File C.3
April 5, 2001

Mr. Kevin Adler
Remedial Project Manager
U.S. Environmental Protection Agency
Region V, SR-J6
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: Monthly Oversight Summary Report
No. 2

Dear Mr. Adler:

Enclosed is a copy of the monthly field oversight report for American Chemical Services Superfund site in Griffith, Indiana. Please call me at 312/683-7856 if you have any questions.

Sincerely,

BLACK & VEATCH SPECIAL PROJECTS CORP.

Larry M. Campbell, P.E.
Site Manager

Enclosures

Monthly Oversight Summary Report No. 2
ACS Superfund Site WA30, 46518.238

Reporting Period: Month February 1 - March 2, 2001

BVSPC O/S Dates: February 1, 6, 8, 13, 15, 20, 22, 27, and March 1, 2001

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson, Warrenville, IL.	2	Respondent's General Contractor
Black & Veatch Special Projects Corp, (BVSPC)	1	USEPA Oversight Contractor
Contract Dewatering Services	6	Extraction Trench & Well Installation
Koester Environmental Services	5	Underground Piping Upgrade
Mid West Environmental Services	4	Drum Demarcation Onsite Area
Austgen	2	Groundwater Treatment Plant Upgrade

Construction Activities

Major Activities:

- Extraction trench installation (Contract Dewatering Services).
- Separation barrier wall installation (Contract Dewatering Services).
- Underground conveyance piping upgrade (Koester Environmental Services).
- Drum demarcation in the onsite area (Mid West Environmental Services).
- Electrical control system upgrade (Austgen Electrical Services).
- Construction coordination meeting. (February 1, 8, 15, 22 and March 1, 2001).

Activities Performed:

Contract Dewatering Services completed the following:

- Separation barrier wall (February 1, 2001).
- Extraction trench EW20 and wells EW20, A, B, and C (February 20, 2001).
- Extraction trench EW19 and wells EW19, EW19A (March 1, 2001).

Clean out at EW20 was not recapture because localized de-watering was not possible. Contract Dewatering will attempt to recapture the clean out at a later date. This concludes Contract Dewatering Services activities.

Koester Environmental Services performed the following piping upgrades:

- Completion of the onsite conveyance piping upgrade (February 22, 2001).
- Started conveyance piping in the offsite area.

Mid West Environmental Services performed the drum demarcation in the onsite area. The drum demarcation was broken up into three zones labeled A, B, and C per the geophysical investigation conducted in onsite area in 1998. Area A and C were essentially those defined by the geophysical report. Area B showed no sign of drums during demarcation excavation activities.

Austgen Electrical services was on site performing final upgrade to the groundwater treatment plant control system.

Attached are weekly reports and correspondences, log book notes, and photographs of the daily activities. BVSPCs one-man crew conducted oversight of the major field activities on a two-day-per-week schedule on February 1, 6, 8, 13, 15, 20, 22, 27, and March 1, 2001.

Topics of Concern:

- Health & Safety monitoring during trenching and excavation activities.
- Infiltration of soil into EW20, clean out lost 11 foot below ground surface.
- Compromise of EW19 during installation.

Upcoming Activities:

- Koester Environmental Service will finish underground piping upgrade.
- Clearing and grubbing of the offsite area.
- Initial layout and installation of the onsite staging pad.
- Installation of the temporary cap in the offsite area.

Signature Chad Gailey Date March , 2001

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ACS Remedial Action Oversight (Phase 238)

February 1, 2001

Remedial action oversight took place on February 1, 2001. Contractors present were Contract De-watering and Ryan Construction, also present was Travis Klingforth, Lee Orosz, and Pete Vogt for Montgomery Watson. Ryan Construction's assignment for the day was installation of the back wash system to the water treatment plant. Contract De-watering was performing the separation wall installation between the onsite and offsite area just south of the southern rail road tracks along Colfax road.

Observed was the installation of the last 25 feet of the separation barrier wall. During installation of the wall, Contract Dewatering Services (CDS) experienced several break downs with the trenching equipment. The break downs were consecutive chain breakages which stop production for several hour. The last 25 feet was competed at approximately 5:00 p.m. on February 1, 2001.

Observed problems included:

1. No background air monitoring on the opposing side of activities next to the operating ACS facility. When questioned on air monitoring protocol, I received the answer that is a good question. Note, previous activities produced P.I.D. reading of over 50 ppm.
2. An Operator at the end of the day was left inside the exclusion zone unattended while performing maintenance on the equipment. All personal had left for the day. I did run into Travis Klingforth at the water treatment facility and suggested they not leave personal unattended on site.

Scheduled Activities

1. CDS will remove the separation wall trencher and assemble the extraction trencher. Trenching will tentatively begin on February 7, 2001 for the previously started extraction trenches.
2. There will be a contractor kick off meeting for underground piping upgrade in the off-site containment area on February 6, 2001. Activities tentatively will begin on February 7, 2001. Excavation will begin in the onsite area, this will include breaking through the existing barrier wall.

Signature Chad Gailey Date February 2001

Black & Veatch Special Projects Corp.
ACS Remedial Action Oversight (Phase 238)
Reporting Dates February 7 and 8, 2001

Past Activities are as follows:

- Separation barrier wall was completed on February 1, 2001 by Contract Dewatering.
- Contract Dewatering's extraction trencher returned to the site on February 1, 2001, after having the trenching chain replaced and the hydraulic motor replaced/rebuilt. The reason the extraction trencher was removed from the site was because of mechanical problems.

Activities for February 7, 2001

The following contractors were on site: Montgomery Watson, Contract Dewatering, Koester Environmental Services, Hansen Engineering, and Austgen Electrical Services. The activities included Montgomery Watson providing onsite engineering for all activities by Tom Tinics (new construction manager and new to Montgomery Watson) Todd Lewis, and Lee Orosz. Contract Dewatering (CDS) installation of the extraction trenches/wells. Koester Environmental Services (KES) installing the underground piping upgrade off-site containment area. Austgen Electrical Services worked on the control center for the groundwater treatment plant upgrade.

CDS's activities included welding the broken existing extraction trench piping at the west and east ends of the separation barrier wall. MW was present to oversee activities along with Hansen Engineering (hired by CDS for safety and engineering on site staff). Health & safety monitoring was performed only by Hansen Engineering during open excavation with a PID. No testing of the pipe was performed at this time.

KES mobilized to the site on February 6, 2001, and its activities included welding HDPE together and prepping for the arrival of their excavator and operator. The hold up is Montgomery Watson does not have a copy of the operators HAZWOPER certification; therefore KES's can not excavate the trench to install the piping. The operator's certification was suppose to show up over the fax some time in the morning.

Questions Asked by BVSPC to Koaster's project supervisor Jamie Bergeron are as follows:

- When will you break through the perimeter barrier wall? We will break though the wall today or first thing tomorrow morning (02/08/01).
- Is Koaster prepared to go to level B and do you have the appropriate air monitoring equipment? Yes
- Have you had or been advised of the health & safety communication plan between ACS and yourself? Yes, upon request to go on the ACS facility Douglas R. Drain

from ACS's safety team pulled us all together and instructed Koaster on ACS's non-ACS personnel safety plan.

- How will you test the integrity of the perimeter barrier wall after placing the pipes through the barrier wall and maintaining the 30 year guarantee? We have collars and the wall will be patched and back filled with bentonite. (Problem no testing will be perform on the patches to the barrier wall. I know with the 150 percent containment system the HDPE it was vacuum tested at all seams and patches.)
- Is Koaster prepared to deal with and water problems as they occur during excavation? Yes.

Activities for February 8, 2001

The following contractors were on site: Montgomery Watson, Black & Veatch Special Projects Corp., Contract Dewatering, Koester Environmental Services, Hansen Engineering, Austgen Electrical Services and Ryan Construction. The activities included Montgomery Watson providing onsite engineering for all activities by Tom Tinics (New construction manager), Todd Lewis, and Lee Orosz. Contract De-watering (CDS) installation of the extraction trenches/wells. Koester Environmental Services (KES) installing the underground piping upgrade in off-site containment area. Austgen Electrical Services and Ryan were working on the electrical control center for the groundwater treatment plant upgrade.

CDS activities included de-watering the benched down area for extraction trench EW20 and installing extraction trench EW20 along the north side of the offsite area. CDS attempted to install EW20, but ran in to difficulty when CDS lost connection between the HDPE and the vertical extraction well; therefore CDW had to pull the well and start over. CDS has decided to bench the extraction trench alignment an extra 3 to 5 feet because of encountered debris (logs, metal pipes, timbers). Concerns during trenching activities were Montgomery Watson was not performing air monitoring during trenching activities as stated in their health & safety plan. CDS send Susan Bertram home who is responsible for the Health & Safety monitoring for CDS until Monday when there will be intrusive operation between Thursday and Monday.

KES activities included excavating from the conveyance pipe vault out side the groundwater treatment building across the barrier wall to the onsite area. KES provided Health & Safety monitoring as stated per KES's health and safety plan. Concerns, KES breached the barrier wall with out a contingency for preventing water from the onsite area escaping out side the barrier wall. KES encountered water at 21/2 foot below ground surface. The water overran the barrier wall HDPE at the point of excavation. KES provided a temporary barrier upon Montgomery Watson request. The temporary barrier was spoils from the trench.

Future Activities

CDW activities include the following:

- Monday February 12, 2001 attempt to reinstall EW20 for the third time.
- Bench down the area of EW19.

KES activities include the following:

- Patch the barrier wall.
- Excavate a wider area next to the barrier wall for pipe installation.
- Hole saw individual holes through the HDPE barrier wall.
- Start running pipe from the water treatment building area to the off site area.
- Remove railroad track on Wednesday, February 14, 2001.

Montgomery Watson activities include the following:

- Site walk for the drum removal bidding on Wednesday, February 14, 2001.
- Work on storm water drainage in the off-site area.

Signature Chad Gailey

Date February 2001

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USEPA /ARCS V BVSPC Oversight Summary

Reporting Period Week of February 12, 2001

Site Name/Location: ACS/Griffith, IN BVSPC Project No.: 46518.238

USEPA Work Assignment Manager: Kevin Adler, RPM Site Manager: Larry Campbell

Personnel Summary Affiliation	No. of Personnel	Responsibility
Lee Orosz, Tom Tinics, Todd Lewis, Montgomery Watson, Warrenville, IL	3	Respondent's General Contractor
Chad Gailey, Back & Veatch Special Projects Corp, (BVSPC)	1	USEPA Oversight Contractor
Dick Neumann, Robert Crochey, Gryczewski, Dan Autrey, Dennis Karran, Contract Dewatering Services	6	Field Crew (for extraction trench/well installation)
Jamie Bergeron, Eric Buchanan, Josh Dearing, Tracy Weber, Vicki Smith, Koester Environmental Services	5	Field Crew (for underground piping upgrade off-site containment area)
Mike Larson, Rich Flores, Austgen Electrical	2	Field Crew (for groundwater treatment upgrade control system)

Construction Activities

Major Activities:

- Extraction trench installation EW20 and well EW20B and C (Contract Dewatering).
- Underground piping upgrade began in the onsite area with the penetration of the perimeter barrier wall (Koester Environmental).

Summary of field activities:

During the week of February 12, 2001, Montgomery Watson conducted project management of the following: final electrical control system upgrade to the water treatment building, installation

of the extraction trenches/wells, and the underground piping upgrade. Contract Dewatering performed installation of extraction trench EW20 and extraction wells EW20A, EW20B, and EW20C. BVSPC observed the final installation of the extraction trench EW20 on February 13, 2001, and the installation of EW20B and EW20C on February 15, 2001. Koester Environmental Services performed initial installation of the underground piping upgrade. The initial upgrade consisted of penetrating the perimeter barrier wall located at the outside vault next to the water treatment plant, with 19 pipes per the specifications. The conveyance piping terminations are in the on-site and off-site areas per the extraction system and SVE installation points. Koester Environmental penetrated the perimeter barrier wall with all of the conveyance piping from the conveyance piping vault and are in the process of securing the piping through the perimeter barrier wall. BVSPC observed portions of the pipe installation through the barrier wall. In addition Koester has excavated approximately 300 feet of piping trench in the on-site area. BVSPC has observed the installation of 300 feet of eight 2-inch diameter pipe during site visit on February 13 and 15, 2001.

BVSPC noted the following problems:

- Continuous air monitoring by Montgomery Watson was not observed by BVSPC during both site visits during intrusive work, per Site Safety Plan dated August 1995; although, both contractors were performing continuous air monitoring at the breathing zones during intrusive work.
- Contract Dewatering lost the clean out pipe during installation of EW20 and will attempt to recover at a later date.
- Koester Environmental penetrated ACS storm water sewer during excavation of the conveyance piping in the on-site area. The storm sewer was repaired with ACS and Montgomery Watson observing.
- While penetrating the perimeter barrier wall Koester Environmental had contaminated water overflow the barrier wall. This was fixed within three days of the barrier wall breach.

Upcoming Activities:

- Contract Dewatering, during the week of February 19, 2000, will install well EW13 and extraction trench EW19 with wells.
- Koester Environmental, during the week of February 19, 2000, will complete the first phase of the conveyance piping across the on-site area including pressure testing and will start excavation in the off site area.
- Mid West Material Services will be on site to perform the drum demarcation in the on-site area.

Signature Chad Gailey Date February 26, 2001

Weekly Oversight Summary Report No. A
ACS Superfund Site WA30, 46518.238

Reporting Period: Week of February 19, 2001

BVSPC O/S Dates: February 20 and 22, 2001

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson, Warrenville, IL	6	Respondent's General Contractor
Black & Veatch Special Projects Corp (BVSPC)	2	USEPA Oversight Contractor
Contract Dewatering Services	6	Extraction Trench & Well Installation
Koester Environmental Services	5	Underground Piping Upgrade
Mid West Environmental Services	4	Drum Demarcation

Construction Activities

Major Activities:

- Extraction trench installation (Contract Dewatering Services).
- Underground piping upgrade (Koester Environmental Services).
- Drum demarcation (Mid West Environmental Services).
- Electrical control system upgrade (Austgen Electrical Services).

Contract Dewatering performed installation of a local well point dewatering system at EW20, installation of EW19, and EW19A. The local well point dewatering system was installed to allow excavation of the east end of extraction trench EW20 for the purpose of installing the clean that had not been properly constructed during initial installation. EW19 and EW19A are the final extraction trench/wells in the offsite area. BVSPC observed the installation of the well point dewatering system and partial installation of extraction trench EW19.

Koester Environmental Services performed installation of the underground conveyance piping upgrade including pressure testing and backfilling of the trench excavation between the

groundwater treatment plant and the junction between the offsite and onsite areas. BVSPC observed portions of the pipe installation and back filling and pressure testing on conveyance pipes 8 and 19.

Mid West Environmental Services performed the drum demarcation in the onsite area. The drum demarcation was performed in three zones A through C, with completion of all three zones potentially early next week. Areas A and C were completed this week. No drums were found in area C after extensive excavating. BVSPC observed 90 percent demarcation of area A and 100 percent demarcation of area C per the two days of oversight. BVSPCs crew on February 20, 2001, consisted of two oversight personnel because of the amount of activities (Jay Basso and Chad Gailey).

Other Activities:

- Railroad track removal took place during the end of the week on February 12, 2001, and Reinstallation of the railroad tracks took place during the week of February 19, 2001.

The installation of the railroad tracks was handled through the ACS facility.

Topics Of Concern:

- Continuous air monitoring by Montgomery Watson was not observed by BVSPC during both site visits at the point of intrusive work, per Site Safety Plan dated August 1995; however, continuous air monitoring was performed by subcontractors at the breathing zone.
- Contract Dewatering Services had several concerns. First, the lost of water circulation during EW19 trench installation stopped activities. Next, Contract Dewatering Services's employee entered the extraction trench EW19's 10 foot benched down area during trenching activities after being explicitly told by Montgomery Watson that day during the construction progress meet no one is allowed in the trench during operations. BVSPC approached the onsite safety personnel for Contract Dewatering to prevent further problems. BVSPC suggested to Montgomery Watson a closer oversight of Contract Dewatering be performed noting problems.
- Koester Environmental's penetration of the perimeter barrier wall has caused water leakage from the onsite area to the area next to the water treatment plant. BVSPC suggested a sump pump be installed to lower water level to prevent further leakage until the installation of the piping upgrade in this area is installed. Koester Environmental is performing periodic dewatering per Montgomery Watson's direction.
- Mid West Environmental penetrated a 2 inch HDPE effluent line during demarcation excavation activities. BVSPC suggest that all lines installed by Montgomery Watson be marked in a fashion allowing for accurate layout of piping alignment. (i.e. electromagnetic survey). Past alignment was established with memory and pictures.

Upcoming Activities:

- Contract Dewatering Services will complete installation and development of the extraction wells during the week of February 26, 2001.
- Koester Environmental will start installing conveyance piping in the offsite area including preliminary installation of piping at the extraction vaults.
- Mid West Environmental Services will be finishing the drum demarcation.

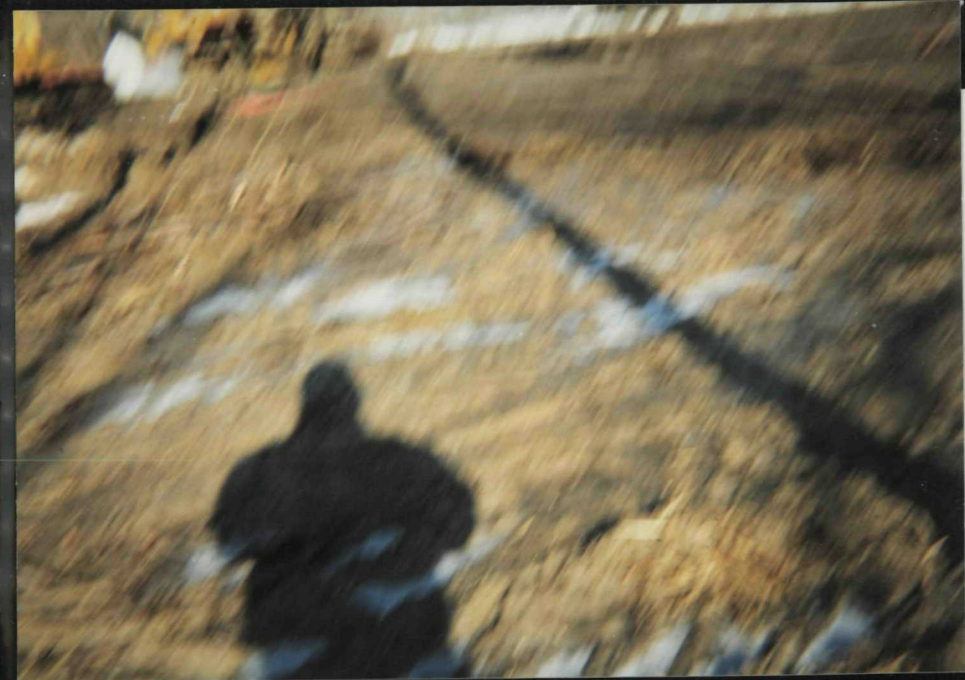
Signature Chad Gailey Date February 26, 2001

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Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 1 Photo #: 7
 Date: 02-01-01 Time: 08:31
 Photographer: Chad Gailey
 Description: Photo facing west at the separation
 wall location 635 of Contract
 Dewatering repairing the trencher.

Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 1 Photo #: 8
 Date: 02-01-01 Time: 09:43
 Photographer: Chad Gailey
 Description: Photo facing west at the separation
 wall location 635 of Contract
 Dewatering repairing the trencher.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 9

Date: 02-01-01 Time: 09:54

Photographer: Chad Gailey

Description: Photo facing west at the separation
wall location 635 of Contract
Dewatering spreading bentonite.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 10

Date: 02-01-01 Time: 09:54

Photographer: Chad Gailey

Description: Photo Blurred Photo



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 11

Date: 02-01-01 Time: 10:21

Photographer: Chad Gailey

Description: Photo facing southwest at the separation wall location 635 of Contract Dewatering reentering the trench.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 12

Date: 02-01-01 Time: 14:50

Photographer: Chad Gailey

Description: Photo facing west at the separation wall of Contract Dewatering installing the last 25 feet.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 13

Date: 02-01-01 Time: 14:50

Photographer: Chad Gailey

Description: Photo facing west at the separation wall of Contract Dewatering installing the last 25 feet.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 14

Date: 02-01-01 Time: 16:00

Photographer: Chad Gailey

Description: Photo facing east at the west end of the separation wall of the finished wall before back filling.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 15

Date: 02-17-01 Time: 09:13

Photographer: Chad Gailey

Description: Photo facing east at the onsite area
of Koester well 8" HDPE
conveyance piping.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 16

Date: 02-07-01 Time: 10:16

Photographer: Chad Gailey

Description: Photo facing south at the offsite
area of CDS excavating to
reconnect existing piping damaged
during trenching activities.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 17

Date: 02-08-01 Time: 10:46

Photographer: Chad Gailey

Description: Photo facing south at the offsite area of CDS welding extraction piping together damaged during excavation.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 18

Date: 02-08-01 Time: 07:23

Photographer: Chad Gailey

Description: Photo facing east at water treatment plant of KES excavating conveyance piping trench.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 1 Photo #: 19
 Date: 02-08-01 Time: 08:03
 Photographer: Chad Gailey
 Description: Photo facing east at water
 treatment plant of the excavation
 through the barrier wall by KES.

Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 1 Photo #: 20
 Date: 02-08-01 Time: 09:00
 Photographer: Chad Gailey
 Description: Photo facing east at water
 treatment plant of water seeping
 over the barrier wall.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 1 Photo #: 21
 Date: 02-08-01 Time: 13:28
 Photographer: Chad Gailey
 Description: Photo facing south at the offsite
 area of CDS trenching EW20
 extraction trench.

Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 2 Photo #1
 Date: 02-13-01 Time: 07:46
 Photographer: Chad Gailey
 Description: Photo facing east at the barrier wall
 of the conveyance piping being
 placed through the barrier wall.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #:2

Date: 02-13-01 Time: 08:52

Photographer: Chad Gailey

Description: Photo facing west at the barrier wall of KES drying wall off for welding the piping through the wall.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #: 3

Date: 02-13-01 Time: 09:01

Photographer: Chad Gailey

Description: Photo facing west at the barrier wall of KES welding the piping in place.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 2 Photo #: 4
 Date: 02-13-01 Time: 09:20
 Photographer: Chad Gailey
 Description: Photo facing north at the offsite
 area of CDS unloading man holes.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 2 Photo #: 5
 Date: 02-13-01 Time: 10:43
 Photographer: Chad Gailey
 Description: Photo facing south in the onsite
 area of KES repairing an ACS
 culvert hit during excavation.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #: 6

Date: 02-13-01 Time: 11:30

Photographer: Chad Gailey

Description: Photo facing north at the offsite
area of CDS installing EW20.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #: 7

Date: 02-13-01 Time: 11:30

Photographer: Chad Gailey

Description: Photo facing north at the offsite
area of CDS installing EW20.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #: 8

Date: 02-13-01 Time: 11:36

Photographer: Chad Gailey

Description: Photo facing southwest at the offsite area of CDS installing EW20.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #: 9

Date: 02-13-01 Time: 11:37

Photographer: Chad Gailey

Description: Photo facing south in the offsite area, a close up of the HDPE piping KES is using.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #:10

Date: 02-13-01 Time: 12:13

Photographer: Chad Gailey

Description: Photo facing south at the offsite area of CSD installing the clean out at EW20.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #: 11

Date: 02-13-01 Time: 15:20

Photographer: Chad Gailey

Description: Photo facing southwest at EW20 of CDS backfilling for installation of vertical wells.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #: 12

Date: 02-13-01 Time: 15:30

Photographer: Chad Gailey

Description: Photo facing southeast at the onsite area of KES repair to ACS culvert.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 2 Photo #: 13

Date: 02-13-01 Time: 15:36

Photographer: Chad Gailey

Description: Photo facing east of KES welding #10 conveyance pipe through the barrier wall.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #1

Date: 02-15-01 Time: 08:41

Photographer: Chad Gailey

Description: Photo facing west at EW20 of CDS boring the extraction well EW20B.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #:2

Date: 02-15-01 Time: 09:24

Photographer: Chad Gailey

Description: Photo facing south at the conveyance piping of the 8" being welded by KES.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 3

Date: 02-15-01 Time: 12:45

Photographer: Chad Gailey

Description: Photo facing northwest at the fence line at the south end of the offsite area of CDS stock piling sand.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 4

Date: 02-15-01 Time: 13:18

Photographer: Chad Gailey

Description: Photo facing west at EW20 of CDS installing well EW20C.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 5
 Date: 02-15-01 Time: 13:23
 Photographer: Chad Gailey
 Description: Photo facing south at the piping
 conveyance trench of KES
 installing couplers.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 6
 Date: 02-15-01 Time: 13:40
 Photographer: Chad Gailey
 Description: Photo facing south at the
 conveyance trench of KES
 backfilling around the 2" piping.



Site: American Chemical Services, Inc.
 Proj. #: 46518

Roll: 3 Photo #: 7

Date: 02-15-01 Time: 13:46

Photographer: Chad Gailey

Description: Photo facing east at the piping conveyance of KES backfilling with bentonite at ACS culvert.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 8

Date: 02-15-01 Time: 14:05

Photographer: Chad Gailey

Description: Photo facing south at EW20 of CDS placing bentonite seal for well installation.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 9
 Date: 02-15-01 Time: 14:05
 Photographer: Chad Gailey
 Description: Photo facing south at EW20 of
 CDS placing bentonite seal for
 well installation.

Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 10
 Date: 02-15-01 Time: 14:50
 Photographer: Chad Gailey
 Description: Photo facing south at the piping
 conveyance trench of KES welding
 the 8" HDPE together.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 11
 Date: 02-20-01 Time: 09:07
 Photographer: Chad Gailey
 Description: Photo facing west at EW20C of
 CDS installing a manhole.

Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 12
 Date: 02-20-01 Time: 09:25
 Photographer: Chad Gailey
 Description: Photo facing south at EW19 of
 CDS excavation down 10 feet to
 bench the area down to install
 extraction trench EW19.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 13

Date: 02-20-01 Time: 09:44

Photographer: Chad Gailey

Description: Photo facing southwest at R.R. tracks of the conveyance piping crossing from the onsite to the offsite.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 14

Date: 02-20-01 Time: 09:50

Photographer: Chad Gailey

Description: Photo facing southwest at the conveyance trench onsite of KES installing the 8" conveyance piping.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 15
 Date: 02-20-01 Time: 11:05
 Photographer: Chad Gailey
 Description: Photo facing southeast at drum demarcation area B of MW installing a de-watering line.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 16
 Date: 02-20-01 Time: 11:27
 Photographer: Chad Gailey
 Description: Photo facing northwest at the conveyance piping trench of KES installing the conveyance piping.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 17
 Date: 02-20-01 Time: 13:04
 Photographer: Chad Gailey
 Description: Photo facing east at the drum demarcation area A of MES in level B while performing demarcation activities.

Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 18
 Date: 02-20-01 Time: 13:19
 Photographer: Chad Gailey
 Description: Photo facing north at area A of the drum demarcation of Pete Vagt of MW and Steve Field during demarcation activities.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 19

Date: 02-20-01 Time: 13:24

Photographer: Chad Gailey

Description: Photo facing south at area A of the drum demarcation area trench.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 20

Date: 02-20-01 Time: 13:54

Photographer: Chad Gailey

Description: Photo facing south of CDS jetting in well points for extraction recovery of the end of EW20.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 21

Date: 02-22-01 Time: 08:23

Photographer: Chad Gailey

Description: Photo facing south at the south end of CDS's trencher with EW19's well attached.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 22

Date: 02-22-01 Time: 09:32

Photographer: Chad Gailey

Description: Photo facing north at area A of the drum demarcation.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 23

Date: 02-22-01 Time: 09:32

Photographer: Chad Gailey

Description: Photo facing southwest at area A of
the drum demarcation.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 24

Date: 02-22-01 Time: 09:37

Photographer: Chad Gailey

Description: Photo facing northwest at area A of
MEI backfilling demarcation
trench.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 25
 Date: 02-22-01 Time: 11:27
 Photographer: Chad Gailey
 Description: Photo facing east at the west end of
 area C of the drum demarcation.

Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 3 Photo #: 26
 Date: 02-22-01 Time: 11:36
 Photographer: Chad Gailey
 Description: Photo facing west at the barrier
 wall of KES connecting the 8"
 HDPE with electro collars.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 27

Date: 02-22-01 Time: 11:44

Photographer: Chad Gailey

Description: Photo facing south at EW19 of
CDS setting up for installation of
EW19.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 28

Date: 02-22-01 Time: 11:44

Photographer: Chad Gailey

Description: Photo facing south at EW19 of
CDS setting up for installation of
EW19.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 29

Date: 02-22-01 Time: 12:00

Photographer: Chad Gailey

Description: Photo facing northeast at area C of the drum demarcation, no drums were found.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 30

Date: 02-22-01 Time: 12:02

Photographer: Chad Gailey

Description: Photo facing south at the north end of area C drum demarcation.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 31

Date: 02-22-01 Time: 12:45

Photographer: Chad Gailey

Description: Photo facing south at the north end
of EW19 of CDS installing EW19.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 32

Date: 02-22-01 Time: 12:50

Photographer: Chad Gailey

Description: Photo facing west on the east side
of EW19 of CDS installing
extraction trench EW19.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 3 Photo #: 33

Date: 02-22-01 Time: 12:54

Photographer: Chad Gailey

Description: Photo facing southeast at south end of EW19 of CDS installing extraction trench EW19 as the water ran out.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 4 Photo #1

Date: 02-27-01 Time: 08:35

Photographer: Chad Gailey

Description: Photo facing north at EW19 of CDS's trencher and it's precariously balanced stuck between EW19 and EW19A.



Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 4 Photo #:2
 Date: 02-27-01 Time:08:37
 Photographer: Chad Gailey
 Description: Photo facing south at EW19 of CDS's
 trencher and the loader acting as a counter
 balance.

Site: American Chemical Services, Inc.
 Proj. #: 46518
 Roll: 4 Photo #: 3
 Date: 02-27-01 Time:08:40
 Photographer: Chad Gailey
 Description: Photo facing south at EW19 of CDS's
 trencher and the excavated hole to free the
 trencher.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 4 Photo #:4

Date: 02-27-01 Time: 10:56

Photographer: Chad Gailey

Description: Photo facing southwest at EW19 of CDS
adding bentonite to the hole to hold the
walls.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 4 Photo #: 5

Date: 02-27-01 Time: 12:57

Photographer: Chad Gailey

Description: Photo facing east at onsite conveyance
trench of KES compacting backfill.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 4 Photo #: 6

Date: 02-27-01 Time: 14:00

Photographer: Chad Gailey

Description: Photo facing south at EW19 of CDS trying to pull the trencher with the excavator and loader.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 4 Photo #: 7

Date: 03-01-01 Time: 12:40

Photographer: Chad Gailey

Description: Photo facing east at the offsite conveyance trench of KES welding HDPE.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 4 Photo #: 8

Date: 03-01-01 Time: 13:00

Photographer: Chad Gailey

Description: Photo facing west at the east end of EW20
of CDS's attempt to recapture the clean out
at EW20.

Site: American Chemical Services, Inc.

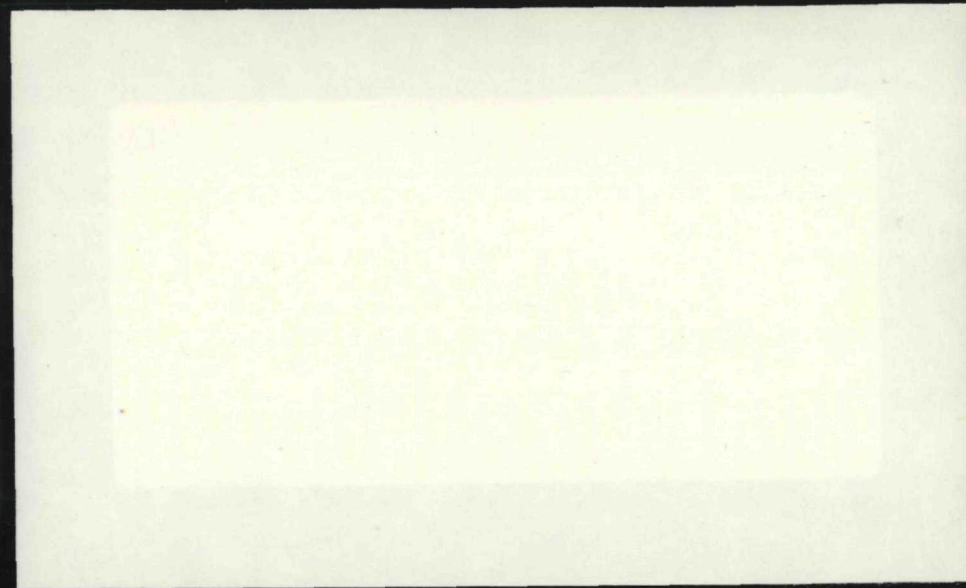
Proj. #: 46518

Roll: 4 Photo #: 9

Date: 03-01-01 Time: 13:00

Photographer: Chad Gailey

Description: Photo facing west at the east end of EW20
of CDS's attempt to recapture the clean out
at EW20.



Site: American Chemical Services, Inc.

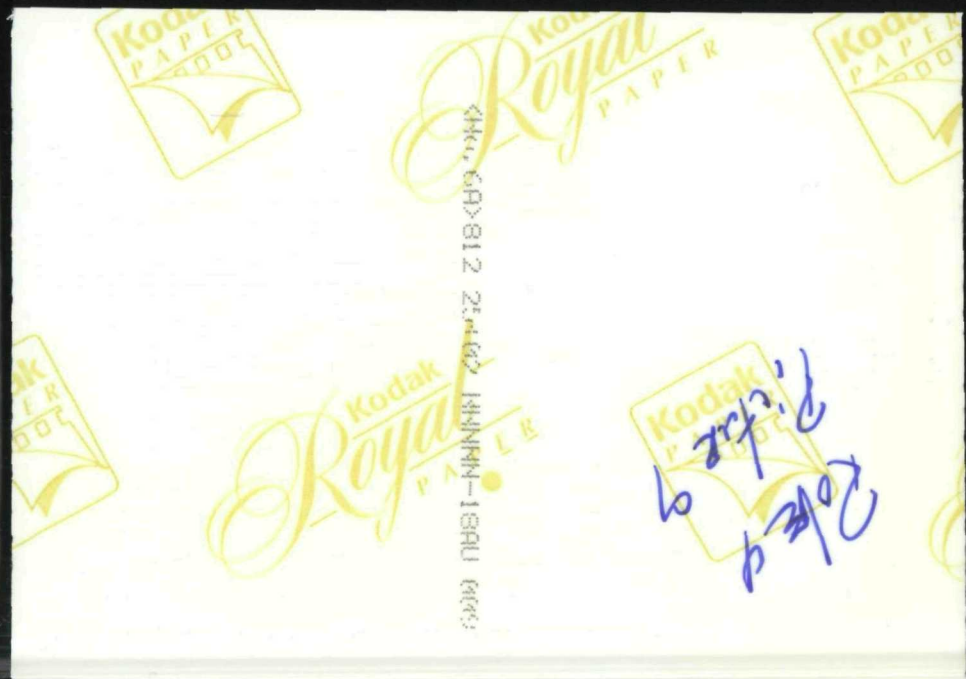
Proj. #: 46518

Roll: 4 Photo #:10

Date: 03-01-01 Time: 13:20

Photographer: Chad Gailey

Description: Photo facing south at EW19 of CDS
backfilling and grading EW19 area.



(28)

Chad Saly Feb, 1, 2001

7:00

ARRIVED ON SITE @ JACS. WEATHER
Temp 27°F Light SW Breeze.

Activities Today:

- 1) Prep & Begin Putting/Installing
Back Wash System INSIDE WATER
Treatment Buildings. Final Step
OF Up GRADE.
- 2) Separation Barrier wall Installation.
It looks as if they may complete
the MAIN Run today. All that
will be left is the Perpendiculars
that Run along the ENDS. These
Perpendiculars are to maintain
a 3'4" gap Between the existing
wall and the New Separation
wall.

Onsite today Contract Dewatering
AND RYAN CONSTRUCTION.

M.W. Pete Vogt + Travis Klingenberg

7:58

Contract Dewatering SNIP the
Trenching Chain.

All workers in site exclusion
Zone and in Level C.

Chad Saly

(29)

Chad Saly Feb, 1, 2001

8:51 Picture #6 Role 1 Face W

@ Separating trench 635 station
of Invasive + Contract Dewatering
Repairing Chain.

AIR Monitors was Done by
Susan + Travis to allow the
Removal of Respirators while
NO trench activity is being Done.

9:14 MEETING w/ Todd Lewis + Pete Vogt

1) TRENCHING For Separation wall should
be Done Today they ARE going
to Forgo the END NORTH South
END Perpendicular because of the
Lack of Confidence of maintaining
the 3'4" CLEARANCE BETWEEN EXISTING
AND BARRIER wall AND SEPARATION wall.

2) KICK OFF MEET w/ Contractor To
Run the SVE Pipping will be Feb 6,
2001 @ 2:00pm. Activities will
Start the next Day. Pipping
will Start in SIDE the ON SITE
AREA at the Water treatment
Bld. and proceed to OFF SITE
AREAS. Drum removal will
Potentially Start Mid Feb.

Chad Saly

③

Chad Seely

Feb 1, 2001

9:41

CONTRACT DOWNTOWN has the
Trencher FIXED. Re enter
approximately 20 ft into previous
Trench AREA work WEST, —

9:43

Picture 7 Role one Focus
west, of Trencher & separate
well, Station # 635.

9:54

Picture 8 & 9, Role 1 Focus W
of CDW Spreedly Bentonite

10:21

Picture 10 Role Focus West
Trench Back in Action, —

10:38

CHAIN BROKE FOR SECOND TIME
TRYING TO REPAIR.

13:00

CDW is still Repairing
Trencher, SUSAN AND TRAVIS
ARE Shooting Elevations —

14:50

Picture 11 & 12 Role 1 facing W
of Trencher working the last 25'
Feet.

15:40

TALK w/ TRAVIS About Perimeter
Air Monitoring. Note No Air probe
Along N side of the exclusion zone.
TRAVIS SAID NO ONE IS OVER ON THAT SIDE

Chad Seely

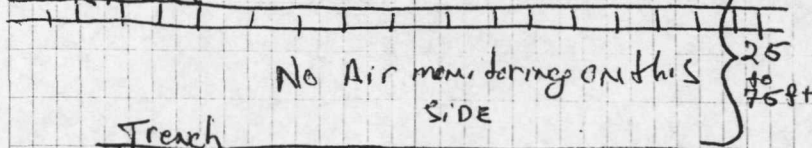
③1

Chad Seely

Feb 1, 2001

ACS Facility (operating)

RAIL Tracks



Trench

No Air monitoring on this
SIDE } 25 to 75 ft

Air monitoring on this side —

Exclusion HAZ. ONE walking person
ZONE ONE IN SIDE exclusion ZONE

16:00 Picture 13 & 14, Role 1 Focus

EAST @ the WEST END of
Trench, of the Finish trench
before Backfill.

16:22 Askeel Lee OROBE, About the

SAFETY PLAN OF T2 WHEN
TWO CONTRACTOR will be on site

Next week Trenching who will
ESTABLISH COMMUNICATION Between
the Two AND where will the excavation
ZONES BE plus How will they Notify
the workers.

16:25 Worker ARE Deconning before
coming out of the excavation zone. —
Answer was there will be
two people out here may have radios.

Chad Seely

(32)

Chad Seif 02/01/01

The lack of perimeter Air monitoring
Concerns me.

16:32 waiting to see if they are
going to Decon the trencher.

17:01 An Operator was left on
Site Alone inside the exclusion
zone, To Clear is tracks on
the excavator, No Activities
were going on. However there
was no one to assist if something
happened.

17:10 Talk w/ Travis Beck @ the
water treatment Bld about leaving
People on site by themselves.
Big No No.

Note measured distance from
existing wall stake placed
by MWD to final trench
wall was 3'4".

~~Chad Seif 02/01/01~~

(33)

Chad Seif 02/07/01

7:00 ARRIVED @ ACS DUTB, WEATHER

Temp 26°F (WGN) w/ Fog.

Activities AND Contractors PRESENT

Contract De Watering → Extraction trench

KOESTER ENVIRONMENTAL SERVICES → Pipe upgrade

AUSTGEN Electrical SERVICES.

People Present

Josh Derry KES SAFETY Rep

Jack Field KES

Jamie Bergeron KES

Robert Coachy CDS

Gryozewski CDS

Dan Autrey CDS

Dennis Karrar CDS

Barry McLeod CDS

Susan Bertram Hansen / CDS Eng oversight

Tom Autrey MNCI, New Construction

Activities MANAGER.

KOESTER - is webbing pipe performing
LAYOUT. Waiting on an
Excavator. AND the operators.
40 hour HAZWOPER Certified.

CPS - is preping for extraction
trenches AND assembling their
Trencher.

(32)

Chad Seif 02/01/01

The lack of perimeter Air monitoring
Concerns ME.

16:32 waiting to see if they are
going to Decon the trencher.

17:01 An Operation was held on
Site Alone inside the exclusion
ZONE, To Clear is tracks on
the excavator, No Activities
were going on. However there
was no one to assist if something
happened.

17:10 Talk w/ Travis Back @ the
Water Treatment Bld about leaving
People on site by their selfs.
By No No.

Note measured distance from
existing wall stake placed
by MUD to final trench
wall was 3'4".

~~Chad Seif~~
02/01/01

(33)

Chad Seif 02/07/01

7:00 ARRIVED @ ACS DUTB, WEATHER

Temp 26°F (WGN) w/ Fog.

Activities AND Contractors PRESENT

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Susan Bertram Hansen / CDS Eng oversight

Tom Autrey MCCI, New Construction

Activities MANAGER.

KOESTER - is webbing pipe performing

LAYOUT. Waiting on a

Excavator. AND the operators.

40 hour HAZWOPER Certified

CDS - is preping for extraction
trenches AND Assembling their
Trencher.

(34)

Chock Log 06/07/01

Note Yesterday, Douglas R. Davis from ACS Safety Team came over and walked through the Site Safety and Health Plan Section 21 for Non-ACS Personnel. Showing Emergency Communication AND ALARMS.

- 8:15 Running off site to get Gas & H₂S WATER.
- 8:23 Called Scott Anderson about Scott Peterson finished 8:43.
- 8:48 Observing Activities of CDW in OFF SITE AREA Connecting PIPES FOR EXISTING EXTRACTION TRENCH.
- 9:08 Walk over to ON SITE AREA met w/ back of KES. They are Lay HDPE out welding joints.
- 9:13 Picture 15 Role 1 Facing East (a ON SITE AREA of KES, Welding 6" HDPE Together.
- 10:14 CDW EXCAVATING ON WEST END OUTSIDE BARRIER WALL @ End of the Separation wall To hook up a extraction Pipe

Chock Log

(35)

Chock Log 06/07/01

that was broke during initial EXCAVATION BENDING PROCESS

- 10:16 Picture 16 Role 4 Facing South in the OFF SITE AREA, of CDW opening up excavation pit to Reconnect the extraction Pipe.
- 10:46 Picture 17 Role 1 Facing South in the OFF SITE AREA, of CDW welding HDPE in trench excavation for existing EXTRACTION LINES. Air Monitoring is Being Performed as Real Time. By Susan.
- 11:00 KES is still welding HDPE for Pipe up GRADE.
- 11:46 CDW Finished the HDPE Replacement. Part of CDW's staff is still
- 12:14 KES & CDW ARE Taking Lunch
- 12:53 Return to Site, CDW is Back Filling the two Reconnection site of HDPE at the two ENDS OF THE Separation wall.
- 13:04 KES is still welding HDPE.
- 13:47 KES Back hoe was Delivered & UNLOADED to ON SITE AREA.

Chock Log

(36)

Chad Shilley 02/07/01

QUESTIONS ASKED TO
KOESTER ABOUT WHEN THE
BARRIER WALL WILL BE BREACHED
UPON RUNNING THE upgrade Piping
for SVE system. The Break in
the wall will occur 15 ft EAST
OF the WATER TREATMENT Bldg.
Questions:

- 1) When will you Break through
the wall Today (02/07/01) or
Thursday (02/08/01).
- 2) ARE PREPARED to go to Level B
AND have appropriate Air monitoring
Equipment V.O.C. monitor, H₂E₆, O₂
Answer Yes we will.
- 3) Have you had or Been Advised
of the H₂S Plan, Communication
Between ACS AND yourself
w/ being on the One Site area.
Answer Yes An ACS Rep
Came over walk us through
there existing Program.
- 4) How will you test the
integrity of the wall
AFTER placing the pipes

(37)

Chad Shilley 02/07/01

threw the Barrier wall.
Answer, We have No test, but
we have collars, AND will Back
fill with Bentonite.

- 5) How will you Provide the
30 year guarantee on this
Section of wall.

ANSWER, NONE AT this Time.

15:00 Finished Talking with Mr Campbell about
activities.

15:15 The Loop for the existing trench
w/ A New electric Pump is complete.

15:35 Leaving Site, CDW is closing up
AND KES is welding on there last
connections.

~~Chad Shilley
02/07/01~~

(38)

Chris Sailing 02/08/01

7:00 ARRIVED @ ACS site. WEATHER,

Temp. 34°F Cloudy.

PRESENT CONTRACTORS/ACTIVITIES
KCESTER ENVIRONMENTAL SERVICES (KES)KES IS INSTALLING THE PIPE UPGRADE,
CONTRACT DE-WATERING (CDW) IS
PERFORMING THE EXTRACTION TRENCH
UPGRADE.RYAN CONSTRUCTION IS ON SITE FOR
WATER TREATMENT UPGRADE Finalizing7:22 KES EXCAVATING THE PIPE CHASE
WITH OUR MONITORING7:23 Picture #18 Pole 1 Facing EAST @
EAST SIDE OF WATER TREATMENT
Bldg. of KES EXCAVATING PIPE
TRENCH.Note: No plastic or barrier has
been LAYED DOWN IN CASE OF
ORSON LIQUID RUNOFF.The wall was BREACH 2' X
2' hole.7:35 KES IS CHIPPING DOWN BY HAND
NEXT TO BARRIER WALL, LIQUID
IS STARTING TO BUILD, THEY ARE IN
LEVEL D.

(34)

Chris Sailing 02/08/01

7:40 CDW IS JUST STARTING TO MOVE, NO
TRENCHING YET.7:45 KES IS GOING TO LEVEL D mach. side
w/ SYNEX SUIT. NOTING THEY
ARE DIGGING IN HAZARDOUS SITE
AFTER TOM AUSTREY TALK WITH THEM
AND ALSO TALK ABOUT OPEN
TRENCHING BELOW 4' ST. THEY WILL
NEED A TRENCH BOX.

7:53 People Present

Lee OROSZ	MWCF	5:50
Todd Lewis	MWCI	7:30
Tom Tinies	MWCF	7:30
Robert Coochy	CDS	6:55
DENNIS KARRER	CDS	7:00 speeder
Gryczewski	CDS	7:00
Dick Neumann	CDS	7:30
DAN AUSTREY	CDS	7:30
Jack Fiebl	KES	6:56
Janie Briggerson	KES	6:57
Tracy Webe	KES	6:57
Josh Dearnly	KES	6:57
Mark Houston	RYAN	
Mike Lanson	Austrey	

④ Chas Leaf 02/08/01
8:03 Picture P# Pole 1 Facing East
@ Pipe trench Next to WTB,
of KES trenching over trench Becas
of water in flow. Note. Inside
Barrier wall, Barrier wall is
3' in front of trench West.

8:14 CDW is Removing ice + water
from previously Bench Down
area @ EW20.

8:59 KES, Has water from the onsite
hazwaste area leaking over slightly
on to the opposite side of the
Barrier wall.

9:00 Picture 20# Pole 1 Facing East
@ Piping Trench. Near WTB, of
water seeping over the Barrier
wall.

KES is setting up a fresh
pump to pump the water
on to the surface of the
ACS facility.
Talk w/ Capt. BVSRC.

9:46 KES Has Down off water from
seeping and side Barrier wall
+ Pump some water to ACS Fire Pond.

④ Chas Leaf 02/08/01
10:00 Contractor Progression meeting
Coordination:

Present, Dick Nuemann, CPS;
Jack JB Sam KES; Tom MUXE

Todd Lewis;

Dick Schaefer,

Insepter trench → Complete trench
Next week into wells, EW20 exist
today + P1 Next week.

Water issues with Dick, he's bring
a 9000 gal water tank.

KES - Trench will remove trench
P1 Wednesday,

Ure is being moved to Fire Pond.
PPE Brought up.

Pipe was Confirmed / as designed
pipe.

Q of 30 year, Greater of wall
Pack + Pipe success.

2nd water keep inside wall
use Electric pump with float.
use Super Seal of Borehole last Case
for Back Silt

weld will be Confirmed

42

Chad Salaf 02/04/01

ASKED Question about the Free
Removal w/ Todd, Tony, Rob for MW
w/ Gravel for FIRM.

- 1) Fire Panel spoil Segregate
material by Reactivity.
- 2) H&S monitoring AND Communication
Between Contractors
Todd is Looking into the
creation of Channels in the Fire
Panel AND the H&S for Fire
panel will be SAME USED for
the Gravel investigation study.

- 3) Tom Trunk will have be
Air monitoring for MW and
is there any documents

Answer No, only for Excavation,
AND MW will be perform
Real time sampling.

Note MW did not take
sample close pipe trench
in side barrier wall. —

43

Chad Salaf 02/08/01

10:54 Finished w/ meeting.
Previous

11:06 CDW is Set to go, they appeared to be
going to lunch.

12:15, Talk w/ Todd / Tony about
Alignment with Shaver & my Self
of the Excavation Trench

13:17 CDW. Finally first well @
EW20.

13:28 Interview 21 # Pole 1 Surf South
of Trenching @ EW20.

14:19, CDW is still Devaluing and
try to Straighten the well.
Problem with the release.

KES is Devaluing AND Spooling
Stretch out HDPE.

14:38, Started Trenching.

15:20 CDW had Pull well Start over
Poly Pallet from the well screen
Problem won't be until Monday
they have to modify the trench
because of willow sand and
Debris.

16:03 Dick Neumann CDW Boss Told
Susan Bentham. The SAFETY Engineer

(44)

Chad Salyer 02/08/01

There was NO Need to show up until MONDAY. Although they (CDW) were going to excavate the extraction trench Alignment down a Nother 4 ft.

~~Chad Salyer
02/08/01~~

(45)

Chad Salyer 02/13/01

6:50 ARRIVE ON SITE @ KES WTB, Weather
Temp 32°F Light Breeze out North
OVER EAST.

PRESENT TODAY IS KOESTER Environmental
Services (KES) + Contract De-Watering
(CDW) (PS) (CD)

Activities: KES is trenching South
ON SITE INSIDE Barrier wall Installing
the piping up Grade.

CDW is INSTALLING Extraction
trenches.

NOTE: Talk w/ LEE CROSE About
Static, LEE SAID KES ON Schedule
with No problems, CDW has
HAD ELEVATED PID READING
AND is upgrading to Level C
AND ESTABLISHING A New Exclusion
ZONE, CDW is having A SAFETY
MEETING w/ LEE CROSE to
Reestablish Procedures.

* Starting Role 2.

7:46 Picture 1 Role 2, Facing East
@ the Piping up Grade Starty Point
of the Piping thru Barrier wall

Chad Salyer

(44)

Chad Salyer 02/08/01

There was NO Need to show up until MONDAY. Although they (CDW) were going to excavate the extraction trench alignment down a nother 4 ft.

~~Chad Salyer
02/08/01~~

(45)

Chad Salyer 02/13/01

6:50 ARRIVE ON SITE @ AES WTB, Weather
Temp 32°F Light Breeze out North
OVER CAST.

PRESENT TODAY IS KOESTER ENVIRONMENTAL
SERVICES (KES) + Contract De-Watering
(CDW) (EPS) (CD)

Activities: KES is trenching South
ON SITE INSIDE Barrier wall Installing
the piping up GRADE.

CDW is INSTALLING extraction
trenches.

NOTE: Talk w/ LEE CROSE About
Static, LEE SAID KES ON Schedule
with NO problems. CDW has
HAD ELEVATED PID READING
AND is upgrading to Level C
AND ESTABLISHING A New Exclusion
ZONE. CDW is having A SAFETY
MEETING w/ LEE CROSE to
Reestablish Procedures.

* Starting Role 2.

7:46 Picture 1 Role 2, Facing East
@ the Piping up Grade Startup Pumps
of the Piping through Barrier wall

Chad Salyer

(46)

Chack Lof 02/13/01

Note, WATER IS BEING CURRENTLY
De-watered, But WHEN I
ARRIVE WATER WAS FLOWING
through the pipe openings.

8:00 LEE OROSZ Held A SAFETY
MEETING WITH CDW about the USE
OF EXCLUSION ZONES.

The Following Personnel ARE ON
SITE:

LEE OROSZ

MUEI / SAFETY
Plant Operator

Tom TINICS

MUEI / SITE CONST
MANAGER.

Jomo Reynolds

MUEI / Engineer

Mark Jaeger

MUEI

J. Weber

KES

JOSH DEARY

KES

ERIC BUCHANAN

KES

JAMIE BERGERON

KES

Vicki Smith

KES

DENNIS KARRAR

CDS

SUSAN BERTRAM

HANSON

DAN AULTREY

CDS

GRYCZEWSKI

CDS

HOUSTON

RYAN

Chack Lof

(47)

Chack Lof 02/13/01

DRK NEUMANN CDS / owner

8:52 KES, IS Preparing the well to put
piping through the BARRIER wall.

8:58 Picture #2 Role 2 Facing West @
Barrier wall pipe crossing of KES Preparing
well for Attaching Basket / well.

9:01 Picture #3 Role 2 Facing West @
Barrier wall / Pipe area, of KES Welding
Piping in place.

9:13 Contractor De-watering is UN loading
MAN HOLES AND RE locating Back PIP
material. ESTABLISHED IS A EXCLUSION
ZONE.

(CDS) has A Drill Rig on site / Extractor
trencher Loader, Track hoe (PC200LC)
Komatsu.

9:20 Picture #4 Role 2 Facing North in OFF
SITE AREA OF CDS UN loading manholes.

10:13 CDS IS FINISHING there material.

10:37 KES is replacing a Calvert Pipe Cover
of ACS, Currently No Air monitoring
is going. Also at time they are
over 4 ft. Note there is trap
MW personnel watching actual
Tom / Jones

Chack Lof

(48)

Chad Leaf 02/13/01

- 10:43 Picture #5 Role 2, Facing South in on side AREA, of the KES Repairing an ACS Solvent.
- 10:47 Air Monitoring is taking place @ the Pipe Welding Zone.
- 11:11 CDS is PENDING OF Level "C".
Elevation is Being Established / LMSAR Level.
- 11:23 Trenching BEGIN - MW Left the AREA, CDS is TAKING Health SAFETY READING.
- 11:30 Picture 6 Role 2 Facing North @ OFF site away of CDS Installing EW20.
Susim. is Checking the CAB of trench w/ PID AND is pulling Dragger tube.
- 11:36 Picture 8 Role 2 Facing SW @ OFF site Area of CDS, Installing EW20.
- 11:37, Picture 9 Role 2 Facing S looking Down, @ HDPE AND the ASTM ON the Pipe.

Chad Leaf

(49)

Chad Leaf 02/13/01

- 12:13 Picture #10 Role 2 Facing South @ OFF site of CDS Installing EW20, Pulling Clean out.
- 12:18, Finished the Extraction well but Pulled OFF the Clean out.
- 12:40 Talk w/ Tom Tine, MW's PID Broke. LEE OROSE said it just GOT WET.
- 13:31 KES is welding pipes through the BARRIER WALL.
- 14:30 MW is Marking OFF the Alignment of the Barrier Wall, because people ARE Being Suck in to trench - CDS is Connecting the Clean out to the EW20 trench Screen.
- 14:41 CDS CAN'T find the END of the HDPE, Dick think its AROUND 11 ft Down. they will have to excavate the piping out AND De-water the Hole, water is approximately 4 ft deep.
- 15:20 Picture 11 Role 2 Facing SW @ EW20 of CDW Leveling out Back Mfg for Drift Rig.

Chad Leaf

50

Chad Log 02/15/01

15:30 Picture 12 Role 2, Facing SE @ The Piping up grade Trench of the Repaired Colvert of ACS -

15:36 KES is welding there 10" HDPE through the Barrier wall.

Picture 13 Role 2 Facing East, of KES welding 10" HDPE, IN to wall.

16:03 CDS is Pickup for Day.

16:12 KES is Putting there Second to last pipe in.

Problem For the Day

- 1) No Air Monitoring by MW During Trenching. (CDS Did have Air monitoring)
- 2) WATER From the Pipe CONVEYANCE Trench was Flowing WATER from inside the Barrier wall to out Side Barrier wall.
- 3) CDS Lost the Clean out pipe Connection to the extraction Trench.

02/15/01 Chad Log

51

Chad Log 02/15/01

8:00 ARRIVED ON Site @ ACS, Weather Temp 31°F light wind, sky to Partly Cloudy.

PRESENT TODAY is Contract DeWATER Services (CDS) - (CDW), AND KOESTER Environmental Service (KES).

People on Site:

LEE OROST	MWCF
John Lewis	MWCF
Tom TIMICS	MWCF
June Bergstrom	KES
Eric Buchanan	KES
Josh Deering	KES
Tracy Weber	KES
Vicki Smith	KES
Robert Crook	CDS
Gryczewski	CDS
Dan Aubrey	CDS
Dennis Karran	CDS
Dick Neumann	CDS
Mike Larson	AUSTGEN
Rich Flores	Austgen.

Chad Log

(52)

Chad Saly 02/15/01

8:41 Picture 1 Role 3, Facing West
 @ EW20 of CDS Boring the
 Extraction Well EW20B

9:10 This is the second, of 3 wells
 The Clean out was not found
 yesterday by CDS, on EW20
 @ the East End. This Separates
 in the final installation on
 02/13/01,

9:24 Picture 2 Role 3 Facing South
 @ Culivance Pipe trench near
 WTB of the 6" HDPE Boring
 weld together at Electro Color.

9:51 Arrived @ WATER TREATMENT
 Plant. Awaiting the WEEKLY
 MEETING.

Present TODAY

Janice KES

Jomo MUEI

Dek CDS

Tom MUEI

Lee MUEI

Todd MUEI

Chad Saly

(53)

Chad Saly 02/15/01

• Health SAFETY

Barner wall, has CLAIMED two
 Personnel up to their knees.

KES, has HAD NO PTD READINGS

• TRENCH SAFETY for KES.

OVER HANGS.

• PTD Aids on Trenching EW20 Activities, up to 6' to 8'.

Benzene chloroform, Chloroform
 Dropper Tubs

UP COMING SAFETY

• RAILS ARE COMING UP, has the Train People been Notified Rail Service, Consensus with ACS Tom FORMER?

There will be trench @ EW19
 of 10th Trench Slope @ 1 to 1,
 on South End of the OFF Site
 Building.

The EW19 Trench has been
 MOVED away from the PCB
 pile.

PPE, DONKEY TAPE up Sewer.
 Gump over MUEI Pos Lit Test.
 Filter exchange.

(54)

Chad L. 02/15/01

PPE Disposal, in the off site
AREA in OVER PACKED drums. —
@ the off site Staging Area. —
EW20C, it's suggested to go
to level "C" @ the start,
because in past has had high hits
Productions

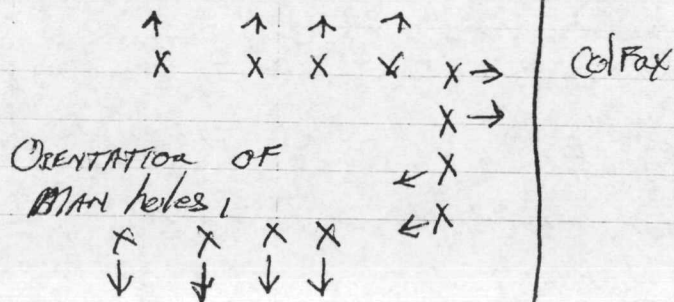
CDS. — Second EW20 well
has been INSTALLED the Third
well will be INSTALLED this
AFTER NOON. —

CDS will bring in COVER MATERIAL
FOR man holes. —

Will Finish all of EW20
Start EW13 well

AND start benching off
Coordination of Placing of Man
holes with piping. —

Sub Cut 13 EW by TUESDAY,
R.R.



(55)

Chad L. 02/15/01

Well 13 is the most Contaminated
AREA. FOR MONITORING OF CDS. —
KOESTER, is placing the 2" lies
on Bottom 6" Bedding then lie
8" lies Change.
original.

Change

0000	2" Lie
0000	8"
0000	2" Line
0000	2" w 1"
00000000	6" 2" All

Back Fill will start today
w/ wells exposed for Pressure
testing.

TRUCK out for 1 week
Tuesday Drive Demarkation
AIR Testing on 2" pipes

Friday
Coordination of # AND AREA
will happen TO DAY. —

11/17 FINISHED MEETING

12:45 Picture 3 Role 3, Facing NW
@ Fence line of the South end
of off site AREA of CDS
Stock Piling Same for
Trench EW P1. —

(56) *Chad Lee*
 13:18 Picture 4 Role 3 Facing West
 @ EW20C of CDW
 Installing Well #EW20C
 North end of off site
 AREA.

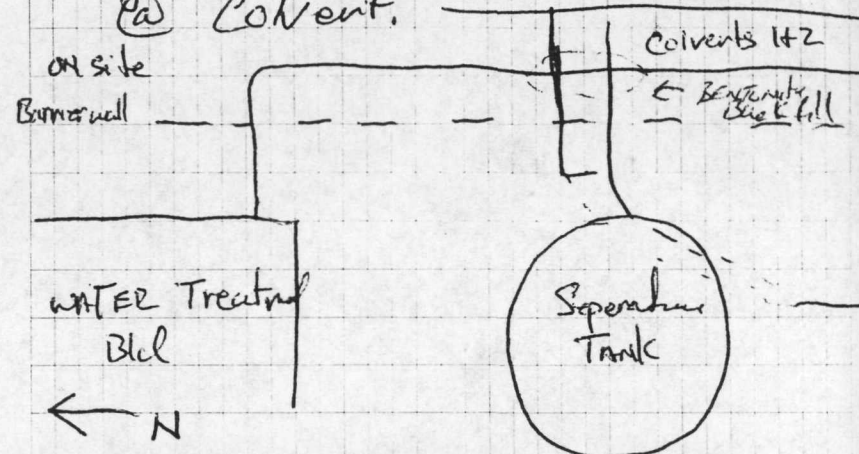
Note as ADVISE CDS is Piping
 for Level C.
 13:23 Picture 5 Role 3 Facing South
 Pipe Conveyance, installation of
 KES installing Couplers.
 KES is Back Filling around
 2" Pipes, Bentonite is Being
 Placed around ALL Storm
 Sewer pipe, which was Broken
 Fix with Rubber Boots.

13:40 Picture #6 Role 3 Facing South
 @ Conveyance pipe trench, of
 KES Back Filling around
 2" pipes.
 KES is AIR Monitoring on Columns
 BARS.

13:43 KEN + STEVE Field from Mid West
 Material Services ARE ON SITE
 Doing A WALK through for the
 Drain Demarcation.

Chad Lee

(57) *Chad Lee*
 13:46 Picture 7 Role 3 Facing East
 @ Pipe Conveyance on site west
 of KES Back Filling Bentonite
 @ Convent.



14:00 CDS is Placing the Bentonite
 Seal around well EW20C.

14:05 Picture #8 Role 3 Facing South
 @ EW20C in off site area
 of CDW placing Bentonite Seal.
 Picture 9 Role 3 Same as Above.

14:50 Picture #10 Role 3 Facing South
 @ Pipe Conveyance, of KES
 Welding the 8" Line in Place
 @ Barrier Wall.

(58)

15:37 Chad Salyer 02/15/01
Contract De-watering is Dig
the Following:

- 1) Deconning Trenches + Drill Rye
 - 2) Place the Disturbed Cap
- Back in place.

16:00 CDS Finish Deconning.
Trenches + Drill Rye.

(59)

Chad Salyer 02/20/01
7:15 ARRIVED ON SITE @ ACS Facility.

WTB, WEATHER Temp 34°F, Light
NORTH WEST WIND, Increasing as Day increases.

PRESENT ON SITE TODAY ARE THE FOLLOWING

- Contract De-watering Services (CDS)
 - KESTER ENVIRONMENTAL SERVICES (KES)
 - MID WEST ENVIRONMENTAL SERVICES (MWE)
- Activities

CDS is installing Extraction well
EW19 Plus setting MANHOLES
ON EW20, A, B, C., Repairing
the FENCE line along the
Southern Rail Road Tracks

KES is finishing trenching +
Back filling the Rail Road
Crossing Pipe excavation.

For Conveyance Piping
MWE DRUM DEMARKATION OF
Drums in ON SITE AREA.

8:00 SAFETY MEETING w/ MWE
ADD Doug from ACS SAFETY TEAM.
Discussed all appropriate SAFETY concerns
of Respiratory AND Communication.

(58)

15:37 Contract De watering is Done
the Following:

- 1) Deconning Trenches + Drill Rig
- 2) Place the Disturbed Cap Back in place.

16:00 CDS Finish Deconning.
Trenches + Drill Rig

(59)

7:15 ARRIVED ON SITE @ ACS Facility

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 - ~~KESTER~~ ENVIRONMENTAL SERVICES (KES)
 - MID WEST ENVIRONMENTAL SERVICES (MWE)
- Activities.

CDS is Installing Extraction well
EW19 Plus Setting MANHOLES
ON EW20, A, B, C., Repairing
the FENCE Line along the
Southern Rail Road Tracks

KES is Finishing trenching +
Back filling the Rail Road
Crossing Pipe excavation.

MWE For Conveyance Piping
DRUM DEMARKATION OF
Drums in ON SITE AREA.

8:00 SAFETY MEETING w/ MWE
AND Doug from ACS SAFETY TEAM
discussed all appropriate SAFETY concerns
of Respiratory AND Communication.

8:30 *Chad Lee* 02/01/01
 Left SAFETY MEETING MWE
 is setting up work site w/
 operators.
 Personnel on site: Jay Bass BVSP
 LEE CROSE MWE
 Tom TINKS MWE
 James Kenyckles MWE
 Pete Vagt MWE
 TRACY WEBER KES
 JOSH DEARING KES
 JAMIE BERGARON KES
 Vicki Smith KES
 ROBERT CRACHY CDS
 GRYZEWSKI CDS
 DENNIS KARRAR CDS
 DAN AUTREY CDS
 Tom Dykas CDS
 SUSAN BERTHEAR HANSON
 STEVE FIELD MEI
 KEN FIELD MEI
 DOUGLAS R. DREW ACS
 Doug DRAINMAN Kelowna
 Diet NEUMANN CDS
 Robert O'Reilly See Fence
 Carl Greiner See Fence
 Jorge Beron See Fence
 Doug DRAINMAN Kelowna excavator

9:07 *Chad Lee* 02/01/01
 Picture 11 Role 3 facing west
 @ EW20C, of ~~the~~ CDS installing
 a manhole.
 Note No AIR MONITORING WAS
 BEING PERFORMED DURING EXCAVATION
 Even though Tom TINKS, MWE WAS
 observing.
 9:11 Talk w/ CDS, History on trench
 stated No RPD Records were @
 9:25 Picture 12 Role 3 facing South
 @ EW 19, of CDS excavating down
 10 feet to Bench the AREA down
 to trench an additional 18 feet
 to install extraction trench.
 9:44 Picture 13 Role 3 facing SW @
 RR Tracks of Pipe Conveyance
 AREA Cross from on site to off site.
 9:50 Picture 14 Role 3 facing SW @
 Conveyance trench on site of
 KES installing 8 inch extraction
 Conveyance Piping.

(62)

Chad Seif as/ado/

10:47 MidWest Environmental is @ AREA "A" inside the CES DRUM area. Scratchup Surveys.

11:05 Picture 15 Role 3 Face SE @ ON SITE AREA Next to Zone B of Drum area WATCHING MW INSTALL a WDWATER Line that Dump in to FIRE POND

11:12 CDS is Setting up to push in point wells around the END of EWD20 TO RECOVER AND INSTALL the Clean out.

11:27 Picture 16 Role 3 Facing NW @ CONVEYANCE Pipe trench along the South Track of KES installing the Conveyance piping

12:15 CDS is BREAKING FOR LUNCH.

12:24 KES is putting CONVEYANCE Ppy INSIDE trench

12:31 NOTED Problem of DISCHARGE for THE Drum Demarkation Dewater out let, in to the FIRE POND there seem to Be problem on Placement and if the (MW) will Do Air mon. for mg.

Chad Seif

(63)

Chad Seif as/ado/

The discharge is 15ft from ACS EMPLOYEES CARS.

12:58 THE EXCLUSION ZONE FOR MID WEST ENVIRONMENTAL is established MWE has STARTED EXCAVATION of the Drum Demarkation, Present ARE the Folks for MW, Jomo Reynolds, PETE VAGT, Tom TINKS,

13:04 Picture 17, Role #3 Facing East @ Drum Demarkation Zone A, of MidWest in Level B, Performing Air monitoring & EXCAVATE the Demarkation

13:19 Picture 18 Role #3 Facing South @ Zone A of the Drum Demarkation of Pete Vagt (must on left), Steve Fickel Right. Jr. in the excavate in Level B. Note No Perimeter Air monitoring is going on But in SIDE of the exclusion zone MWE is Performing CONSTANT AIR MONITORING.

13:24 Picture 19 Role #3 Facing South @ Zone A of the Drum Demarkation Area of the excavate trench

Chad Seif

(64)

Chael Saif 02/20/01

13:32 Jomo Reynolds, arrival with HNU
for Montgomery Watson.

KEN SAID HE WAS GETTING
PTD Reading around 8pm
to 8pm at the excavation

13:54 PICTURE 20 Role 3, showing South
of CDS Jetting in Paint wells
as part of Decontam Plan to
Recover the open end of
the excavation well.

15:20 Finishing Paint wells setup
for Decontam.

16:00 MWE is Back filling the excavated
trench w/ CAG.

Noted Problems:

1) KES @ the point of BARRIER wall
penetration, have not FIXED or MADE the
integrity of the Barrier wall 100%
therefore WATER FROM the ON SITE AREA
(ie Contaminated WATER) is Spilling over
to the CLEAN AREA OUTSIDE the
BARRIER WALL, I ASK LEE OROSE
if this was a CONCERN, HE SAID
YES AND IT WAS PUMPED DOWN PREVIOUS.

Chael Saif

(65)

Chael Saif 02/20/01

2) CDS Slope ON the (BENCHED
DOWN AREA @ EW-11 (10ft Bench)
is NOT a 1 to 1 slope on is it
Layed out in a STEP FASHION.

The PLACEMENT of the Spoil is
two foot off the ground surface
Although it is preserved as 18" A
trench in some places.

3) As Drum Demarcation w/ MWE
BEGAN, NO ONE FROM MWEI WAS
performing perimeter exclusion
ZONE READING WHILE MWE WAS
MONITORING THE BREATHING ZONE.
& MWEI HEALTH SAFETY PLAN.

4) KES AT END DAY HAD THERE HOPE
WELDING MACHINE BREAK. will
GET A NEW/REPLACEMENT SHIP
TO THEM TOMORROW.

Up Coming Activities

A) MWEI will CONTINUE Demar-
cation work on the on site
Drum AREA. Completion SET FOR
FRIDAY.

Chael Saif

(66)

Chad Luby 02/20/01

B) KES, will continue with CONVEYANCE PIPE INSTALLATION plus PRESSURE TESTING AND SEALING up the BARRIER WALL. Scheduled FOR Completion MAY BE THE WEEK AFTER NEXT.

C) CDS, IS GOING START THE EWO ON Thursday AND the back filling on Friday with the replacement of EWO's CLEAN out on Friday as well. Final Grade AND Removal on Monday OR Tuesday.

~~Chad Luby 02/20/01~~

(67)

Chad Luby 02/22/01

6:52 ARRIVED ON SITE @ ACS, WEATHER

Temp 22°F SNOWING Wind very little.

Contractors AND TENTATIVE ACTIVITIES

1) Contract DEWATERING SERVICE, Extraction well EWO#1 INSTALLATION, MAY RECOVER CLO FOR EWO#2.

2) KOESTER ENVIRONMENTAL SERVICES will continue to INSTALL the CONVEYANCE piping AND TEST the portions of the CONVEYANCE Piping.

3) Mac West Environmental, will continue w/ Drum Demarcations OF THE ON Site Drums.

8:00 People Present

Lee OROSE MWCF

Tom TINIES MWCF

Todd LEWIS MWCF

Pete VOGT MW

Jonno REYNOLDS MW

Josh DEARING KES

ERIC BROGHANAN KES

TRACY WEBER KES

Jami BERGOM KES

Vicki SMYTH KES

Chad Luby

(68)

Chas. Leaf 02/22/01

Steve Fields MWET
 Ken Fields MWET
 Doug Drinnan MWET Keldron
 Doug Drinnan Jr MWET Keldron
 Dan Autrey CDS
 Tom Dykas CDS
 Dennis Karrar CDS
 Scott Berteman HANSEN CDS

8:17 MWET is starting the completion of ZONE A, The Well Pet Vast it seem the South Side of Zone A is a little LARGER

8:23 Picture 21 Role 3 Facing South @ the South end of EWH of CDS trend!
 MWET, OPERATOR is in Level B, PFD ready Plus 4 Gas meter are being used by MWET

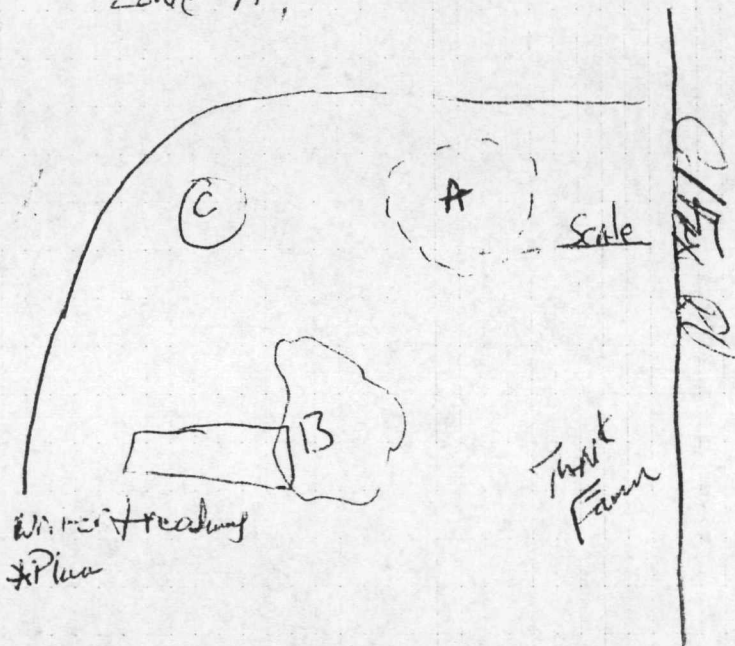
9:32 Picture 22, 23, Role 3 Facing N of ZONE A Demarcation.
 Sp. Dir. Stick through

9:37 Pic 24 Role 3 Facing NW @ Zone A of GAC (P.M.) with C.A.G. Cit - lower Stone.

(69)

Chas. Leaf 02/22/01

9:46, MW + MWET HCE / FMSK EXCHG Zone A,



10:06 KES, has pressure tested Lines 18, 6, 5, 4, 3, 8, 7, 19, to 95 lbs

~~C/A 22/01~~

(70)

Chad Slay 02/20/01
CONSTRUCTION MEETING.

KES - HEALTH SAFETY - OK

Last week RAN CONVEYANCE
UNDER THE R.R. TRACKS.

#20 + 24 ARE NOT TEST, BUT ALL
OTHER ARE, CONCRETE ON
TRUCK @ 85% CRUSHED STONE,
TODAY → FINISH THE PENETRATION
BARRIER WALL TODAY.

AND BACK FILLING ON SITE AREA.
DESIGN PLAN ON PIPE LAYOUT.
OK.

MAN HOLE CONNECTION / CONFINED SPACE
ENTRANCE, LEE STOOD MANDATING
POSITIVE AIR DISPLACEMENT.

NEXT WEEK START CONNECTION
TO MAN HOLES.

WEEK AFTER NEXT. ASSEMBLY, PUMPS/
AND INTER. WELL.

CDS, HEALTH SAFETY NO INSURANCE.
INSTALL E-19 + WELL.

TOTAL ASKING TRAVELING SAFETY,
NO ONE WILL GO IN THE TRENCH
BEHIND OPERATOR. I NEED
OPERATING WILL STOP.

Chad Slay

(71)

Chad Slay 02/20/01
The Question of O₂ MONITORING
AND PERSONEL IN THE TRENCH
the trench Box for Recovery etc
will be vented.

Many holes ARE CRITICAL SITE
DETAILED ON WATER TITE SEAL
HOW / WHEN WILL IT HAPPEN.

11:25 Finished the meeting

Talk w/ Pete Vagts AREA C
in Drums Penetration has CUT
A ~~NEW~~ LINE THROUGH AREA TURNED
UP NO DRUMS, WILL DISMISSE
FURTHER N + S.

11:27 Picture 25, Role 3 Facing East
@ WEST END AREA C, off from
road excavation, Along this
Line at 2-6, 7 foot NO DRUM
were found.

11:36 Picture 26, Role 3 Facing West
@ Barrier wall Penetration of KES
Connecting the 8" HDPE w/ Electric
Cables.

Chad Slay
02/27/01

72
11:44 Picture 27+28 Facing South
@ EW 11 (North Level) of
the trench + will set up to
go in.

12:00 Picture 29, Facing North East
@ AREA C of Pump Penetration
No Dams were found.

12:02 Picture 30, Facing North @
South end of Area C trench.

12:28 Picture 31 Facing South @
North end of AREA C. No
Dams in trench.

12:45 Picture # 31 Facing South @ North
End of EW 19, of CDS + install.
the extraction well.

12:50 Picture # 32 Facing West on east
Side of EW 19 of CDS mostly
the extraction trench.

12:54 Picture One onto EW 19, small
MUEF cut the on site WATER
Line.

Picture # 33 Facing SE @ South end
of EW 19, of CDS install + the
extraction trench.

Chas. Lee

73
13:10 Continued DEWATERING stop to get
WATER for trenching machine.
14:12, Finished getting water Now to
start trench to finish EW 19.
14:14, MUEF, hit the extraction trench
Line Not water main.

14:37, CDS Shut Down Check back up
there going to have to excavate
around the trench line.

15:16 CDS is still present Trench
was just ~~stopped~~ stopped
Hydraulic Line.

~~Chas. Lee~~
02/22/01

(74)

6:38

ARRIVED ON SITE @ ACS, WEATHER
26°F w/ light NW WIND.

TALK w/ LEE OROSE ABOUT THE
STATUS OF CONSTRUCTION;

- 1) CONTRACT DEWATERING SERVICES
ARE EXACTLY AT THE SAME PLACE
WHEN I LEFT LAST THURSDAY, EXCEPT
FOR THE INSTALLATION OF A WELL.
- 2) KROSTER ENVIRONMENTAL SERVICE,
IS TRYING TO FINISH THE BACK FILLING
OF THE ONSITE CONVEYANCE PIPELINE
TRENCH.
- 3) MID WEST ENVIRONMENTAL HAS FINISHED
THE DEMARCATION OF THE ONSITE DRAIN
AREA.

7:42

LOOKING OVER THE EXCAVATION @
EWA. CONTRACT DEWATERING HAS
THEIR TRENCH PERICARISLY SITTING
IN THE BENCHED DRAIN AREA OF
THE EXIT RAMP. THEY HAVE DUG
OUT THE FRONT OF THE TRENCH
THE FULL DEPTH OF THE TRENCH
AND DUG DOWN BEHIND IT ABOUT
6 TO 7 FEET. SO IT IS SITTING ON ISLAND.

Chad Salyer

(75)

7:55

CDS IS FILLING THEIR WATER TANK.
KES IS COMPACTING, RECONNECTING
EXISTING EXTRACTION LINE. KES
PERSONNEL UPON ARRIVAL WERE NOT
IN PROPER PPE, SOCK (FORMAN) STOP
WORK AND MADE DON PPE.

8:15

TOM FINNIS (MIDWEST SITE MANAGER)
HAD A BRIEF & CONFRONTATION MEETING
WITH CDS ABOUT SAFETY OF THE
TRENCH AND HOW THEY WILL SOLVE
THE PROBLEM OF GETTING THE EXTRACTION
TRENCH IN AND THE SAFETY PROBLEM
SOLVED.

8:35

Picture 1 Role 4 Facing North @
EW19 of the Trench w/ CDS
AND HOW IT IS PERICARISLY SITTING
Picture 2 Role 4 Facing South @

8:37

EXIT OF THE HOLE THE HOLE
CREATED.

8:40

Picture 3 Role 4 Facing South @ EW19
OF THE TRENCH AND CDS ATTEMPT
TO DIG INTO THE TRENCHING.

Chad Salyer

(76)

Chad Leaf 02/27/01

9:20 CDS is Benchtop Down the
west side of the trench.
I SEE some ~~serious~~ ^{old} Pictures
of SAFETY Still, No health + SAFETY.
Air monitoring No Real Trench
SAFETY.

9:36 Talk w/ Tom Times of Montgomery
Watson @ EW19, About CDS Issues.

1) Trench SAFETY who is going to
INSURE it is done properly.
Tom said, No one will be in
hole and they have made a plate
from for the Back hole to pick
up on trencher.

2) Health SAFETY man being.

How and who is doing the
Air monitoring, Tom said
he will bring the HANCO
over when the start

Digging @ the site trench.
Chad said, The Health SAFETY
Plan states, Health SAFETY
monitoring will be performed
CO₂ Dmg all intrusive work
this is not happening.

Chad Leaf

Chad Leaf 02/27/01

Tom said, Historically we have had
No hit on the matter only
in the hole, Chad said that is
not answer we have to stick by
H&S plan.

Tom walk Back To WINTER
Trencher & leave CDS to
them self on EW19.

10:22 Talk w/ KENIX Aeller (EPA) +
LARRY Campbell, Described the
situation @ EW19, of the
Integrity of well being compromised
Health SAFETY Being ~~LAYED~~
Back. I previously talk w/
Montgomery Watson About these
issues.

10:37 Talk w/ Tom Times, About
CDS, The last is moving people
in the EXCAVATOR bucket.
Tom is going to talk w/ CDS
once again.

10:47 Kenny Aeller Called Back saying
he talked w/ Pete Vagt of Montgomery
Watson and they will reveal someone

Chad Leaf

(78)

Chad Seif 02/27/01
 to with CDS 100%, Kevin also
 SAID to Call him around
 4:00 O'clock to inform him
 if any Action has been taken
 and is improv. up the stuck
 and if not will require
 me to come on site tomorrow.
 Kevin also gave me Cell phone
 to ~~time time~~ ~~Mississippi~~ ~~Washing~~
 so they can call me Direct.

10:56

Picture #4 Role 4 Facing SW @ EOW
 11 of CDS Adding Benfornite to
 the hole

11:15

Talk w/ Berry from CDS, About
 Dennis Riding in Bucket, Berry
 SAID he was using as lost told,
 Chad, I SAID I saw him get left
 up by Bucket. AND CHAD ~~Says~~ ~~Spinning~~
 ARE NO ONE IS to be in the Bucket
 of Equipment, So let no argue
 over what has happen Let solve
 the problem or any question of
 A problem, AND Do Not Use
 the Bucket to Support People
 or move people.

Chad Seif

(79)

Chad Seif 02/28/01
 I also ASKED BERRY how they were
 going to perform Air monitorings
 He did know, probably Banned me
 Because Susan is Detroit w/
 CDS PID,

11:36 CDS going Lunch, Jim Calling
 Mr. Campbell (BVSPC).

12:01 Leave for Lunch

12:34 Back from Lunch @ EOW,
 CDS is filling WATER TANK

12:57 Picture 5 Role 4, facing East @
 of RES Composite Corepoint
 Fresh.

Talk w/ Tom on how they test
 the well for Leak Bator
 Back filling hole) said the
 Conclusion (see Hydraulic test, Pump)
 off the water on ins. de filled
 the outside w/ clean water
 watch for Leaking for 1/2 day.

14:00

Picture 6 Role 4 Facing South
 @ EOW of CDS Tying All Tractor
 loss,

16:10 Called Kevin informed him of Stuck

Chad Seif

(80) *Chad L. Lutz* 02/27/01
 16:22 Call Lacey Campbell, Told
 him of Conversation w/ Kevin
 16:39 Talked Tom (MW) To Ensure
 He would be @ EWP Tomorrow
 Tom Said Yes They will Bring
 the PID out AND CDS has done
 for Tomorrow delivery,
 16:41 Leaving Site.

Chad L. Lutz
 02/27/01

(81) *Chad L. Lutz* 03/01/01
 7:30 ARRIVED ON Site w/ Heather Foersch
 Weather, 28°F, Sunny Light South
 wind.
 Activities for today:
 Contract Dewatering Services (CDS)
 Will Recapture the End of EWP20
 Have Finished EWP-19, Yesterday
 02/28/01.
 Koester Environmental Services (KES)
 is installing conveyance trench
 has finished Back fill on site,
 will start w/ OFF Site AREA,
 Present on Site:
 Lee CROSS MWCT
 Tracy Weber KES
 Eric Buchanan KES
 Jack Field KES
 Brandon Roberts KES
 James Beregeroni KES
 Sash Deering KES
 Robert Crocker CDS
 Dennis Karrer CDS
 Dan Aufrey CDS
 Dick Drellmann CDS
 Tom Tinies MWCT
Chad L. Lutz

(82)

Chad Self 03/01/04

Cyril Zewski EPS

John Reynolds MACT

9:40

Walked past well EW-17

finished installing extraction trench and clean out for the extraction trench. Print well Extraction system is being prep'd for today.

10:00

Weekly Construction meeting
Health & Safety issues - sign in every day - PPE shoes, hardhats, no smoking, general cleanliness would like to keep site neat & clean. Lee ^{asked} has there been any readings. Dick - NO Same - NO Make sure air monitoring equip. is running. Tom mentioned trenching machine getting stuck and discussed how we should have a plan of action. Reoccurring theme - make sure we follow other rules for confined spaces. Ventilation/Air monitoring and Permitting. Chad mentioned Perm. Hcd confined space & how changes from 1910 to 1926.

Chad Self

(85)

Chad Self 03/01/04

- Extraction system; Work w/ Dick to get it organized & approve work. Along d@ installing trench sys. Dick → just starting to pump & after lunch start digging. Trench Box being used & also air monitoring is required has H₂O meter & will ventilate b/c have no O₂ meter. Plan → excavate, cut pipe, connect and ^{install/connect} clean out. Concerned pipe is not going directly into tank & comes loose so Dick should let Lee/Tom know when ready. Work Left 19A, set man hole

Extraction trench 20 → depth 14 1/2' sump → screen may be up inside man hole. Dick has to prove that manholes are water tight how will he show ET 20 is. Will need to discuss in more depth tomorrow.

Re-watering 19 heading NE. Dick mentioned Montgomery Watson directed his employees to do this & that he should have been contacted. Future excavation will run to east w/ discharge

Chad Self

(84)

for manhole. ~~Cap~~ on wells
coming out vs. using a flange
Pitless adapter & penetration
still unclear whether it will work.
Purging Wells/Development.
Koester - all lines have been tested,
backfilled to barrier wall, hydraulic
test on barrier wall (no leaks
observed), completed lines to
off-site area, fence line, Plan of
allere → stream out 2" pipe, dry up
areas along roadway + put stone
in. Compaction test under rails
documentation need by Mart. Watson.
Installation of wells → who will supply
material? Start trenching lower area.
Be prepared for level C and constant
monitoring. Employees have
confined space entry training.
Completion date March 12.
Contract dewatering completion
March 2 (evening). Decom of
Trucks pressure wash in infil tracto
area. Small Pond area Pumping
will be used by Koesters & go to fire pond.

Chad Laff

(85)

but has not been agreed upon.
12:40 Koester welding HDPE pipe @ the
convenience pipe crosses the
railroad track PICTURE Role 4
#00 PICTURE 8 & 9 Role 4 Dewatering/
Preping area to be excavated
to get to travel system/clean out
7 taken Facing North of sys & 7
8 taken Facing West. Point
#202 Well Extraction system for EW20
B.20 PICTURE 10 Role 4 taken @ EW-19
Facing South to show where
clean out is. The clean out is
next to tree on the right
side.
14:00 Walk through the well (monitoring)
AREA to minimize weather w/
the surrounding AREA.
14:30 KES WAS welding Piping
in off-site AREA.
14:45 CPS is clearing up the AREA
around EW-19 as final grade.
CPS is shutting off the
pump well system Note
it is not keep up w/.

Chad Laff

(86)

Chael Lee 03/01/01
Inf/Hatbox

15:00 Talked Tom Times of MW.

15:30 Leave Site.

Note: Issues Brought up.

- 1) IN Construction meet raised the Question ON how AND when Koster will Demonstrate the Permitted Confine Space Emergency Rescue AND if the proper authority have been Notified, Janne said Yes, we will Notify the Fire Department AND Lee says they ARE Capable of handling any situation @ ACS. Time wise AS soon as we have our selfs @ the point we need to excise that but this week we are preparing all necessary H&S Equipment
- 2) CDS, A Concern of the Quality of the EWPP, In Lite of being Stuck and may have DAMAGED the Extraction pipe, How will it be Demonstrated that the EWPP will Perform to Design Specs, CDS will Pull a Object like Clean out Ball through the Entry.

Chael Lee

(87)

Chael Lee 03/01/01
3) CDS How was the Bentonite Removal from EW17 Done Placed During Action to get the trench Shored and holding Back the wetts. After the Bentonite was excavated out and Disrupta, through out the Back fill Put Back Place, Note this may affect the Performance of the Extraction well.

- 4) CDS, How will the point well system around EW20 c/o zone work AND what ARE some of things could go wrong. CDS It will work fine. We ARE having Problems with Dewatering But we PLAN ON Putting a Submersible in EW20 & Pumping for next 3 days then on Monday start the point well system excavate down install trench Box and replace the EW20 Extraction piping.

Chael Lee